

# Wurex Surface Cleaner SC41

Issue Date 25.10.2011

Product code: SC41

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## 1. Identification of the substance/preparation and of the company/undertaking

### Identification of the substance or preparation

Wurex Surface Cleaner SC41

### Use of the Substance/preparation

Cleaning of stainless steel surfaces

### Company/undertaking identification Company name:

Dynaweld Industrial Supplies Pty Ltd

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## 2. Hazards identification

Classification Indications of danger: Corrosive

R-phrases: Causes burns.

## 3. Composition/information on ingredients

Chemical characterization (Mixture) Hazardous components

EC-No.	CAS-No.	Chemical name	I	Quantity	Classification
231-633-2	7664-38-2	phosphoric acid ... %, orthophosphoric acid ... % nitric acid ... %		20 -25 %	C R34 10-15% 0, C R8-35
231-714-2	7697-37-2				

## 4. First Aid measures

**General information** Take off immediately all contaminated clothing.

**After inhalation** Move victim to fresh air. Put victim at rest and keep warm. No mouth-to-mouth or mouth-to-nose resuscitation. Use respiratory bag or oxygen resuscitation apparatus. If victim is at risk of losing consciousness, position and transport on their side. Consult physician immediately.

**After contact with skin** After contact with skin, wash immediately with: Water and soap. Subsequently wash again with: Water.

**After contact with eyes** If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

**After ingestion** Let water be swallowed in little sips (dilution effect). Provide fresh air. Immediately get medical attention

## 5. Fire-fighting measures

Suitable extinguishing media Carbon dioxide (CO<sub>2</sub>). Extinguishing powder. Water fog. Against bigger fire fight with water fog or alcohol-resistant foam.

Special protective equipment for fire-fighters In case of fire: Wear self-contained breathing apparatus. Additional information Cool closed containers with water near by the source of fire. Risk of burst

## 6. Accidental release measures

**Personal precautions** Leave danger zone immediately. Avoid inhalation of gases and fumes, preferably use respiratory protective equipment (filter type A2B2E2K2-P3)

**Environmental precautions** Do not empty into drains or the aquatic environment. In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

**Methods for cleaning up/taking up** Use neutralisation product (e. g. soda, calcium hydroxide, thinned alkali solution) after diluting with plenty of water. Provide adequate ventilation.

**Collect mechanically.** Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid-or universal binding agents). Unsuitable material for absorbing: Sawdust. Use a water spray jet to knock down vapours/gases/mists. Dispose contaminated material as waste according to chapter 13.

## 7. Handling and storage

**Handling Advice on safe handling** Keep container tightly closed. Adequate airing/ suction of the working place must be ensured. Wear personal protection equipment. Advice on protection against fire and explosion No special measures are necessary.

**Storage Requirements for storage rooms and vessels** Keep container tightly closed in a cool, well-ventilated place. Protect against: UV-radiation/sunlight. Provide for retaining containers, e.g. floor pan without outflow. Pay attention to material and volume of the container. Advice on storage compatibility Not necessary Further information on storage conditions none / none

**8. Exposure controls/personal protection**

**Exposure limit values**

Exposure limits (EH40)

CAS-No.	Chemical name	ml/m'	mg/m <sup>3</sup>	F/ml	Category	Origin
7697-37-2	Nitric acid	-	-		TWA (8 h)	WEL
		1	2.6		STEL (15 min)	WEL
7664-38-2	Orthophosphoric acid	-	1		TWA (8 h)	WEL
		-	2		STEL (15 min)	WEL

Additional advice on control parameters Refer to chapter 7. Additional information about structure of technical plants: Matenal has to be resistant against acids.

**Exposure controls**

**Protective and hygiene measures** Operable eye bath right next to working place. Keep away from food, drink and animal feedingstuffs. Take off immediately all contaminated clothing. Wash hands before breaks and at the end of work.

**Respiratory protection**

Short-time or marginally load: Suitable respiratory protective equipment: Filter respirator (DIN EN 147). Intensiv or longer load: Protective respiration apparatus not using surrounding air (breathing apparatus) (DIN EN 133)., of suitable plastic

**Hand protection** Tested protective gloves are to be worn: Suitable material: PE (polyethylene). PVC (Polyvinyl chloride).

**Eye protection:** Tightly sealed safety glasses.

Eye-shade.

**Skin protection** chemical resistant suit. Chemical resistant safety shoes.

**9. Physical and chemical properties**

General information

Physical state: liquid

Colour: green

Odour: slightly pungent

Important health, safety and environmental information

Test method

pH-Value: < 1

Changes in the physical state

Boiling point: 93 ·C

Flash point: not applicable

Flammability

Solid: not applicable

Gas: not applicable

Explosive properties

not applicable

Lower explosion limits: not applicable

Upper explosion limits: not applicable

Oxidizing properties

none 1none

Density (at 20°C) : 1,25 g/cm'

Water solubility : soluble (at 20°C)

#### 10. Stability and reactivity

Conditions to avoid Temperature of decomposition: boiling point

Materials to avoid Dangerous reactions: Exothermic neutralisation reaction with concentrated lye solutions. Strong corrosion with most metallic alloys, thereby release of ignitable and in mixture with air explosible hydrogen gas and NOx gases. Reaction with ignitable organic materials (mostly releasing of NOx gases), thereby raised fire risk and possible danger of explosion.

Hazardous decomposition products  
nitrous gases

#### 11. Toxicological information

Acute toxicity Irritant effect on the skin: Irritation and etching on skin and mucous membrane  
Irritant effect on the eye: Irritation and etching, risk of going blind

Sensitising effects no danger of sensitization.

Additional information on tests After ingestion: Irritation and etching in mouth and throat and risk of gullet and stomach perforation. Inhalation can lead to lung oedema. Up to 24 hours latency free of complaints. Poisoning is life-threatening.

#### 12. Ecological information

Ecotoxicity Water Hazard Class: 1 (self classification) Must not enter sewage or feeder ditch undiluted or unneutralized. The toxic effect for fish and bacteria begins below pH 6.0 and rises with smaller pH factor.

#### 13. Disposal considerations

Advice on disposal Dispose used acid solution by neutralisation with lime hydrate solution in a suitable container. Filter accrued neutral mud and dispose as hazardous waste.

Waste disposal number of waste from residues/unused products 190205 WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE; wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation); sludges from physico/chemical treatment containing dangerous substances Classified as hazardous waste.

Waste disposal number of used product 190205 WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE; wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation); sludges from physico/chemical treatment containing dangerous substances Classified as hazardous waste.

Waste disposal number of contaminated packaging

190205 WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE; wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation); sludges from physico/chemical treatment containing dangerous substances Classified as hazardous waste.

Contaminated packaging Waste disposal according to official state regulations.

#### 14. Transport information

Land transport (ADRJRID)

UN number:	UN3264
ADRJRID class:	8
Classification code:	C1
Warning plate	
Hazard-no. :	80
Hazard label:	8
ADR/RID packing group:	II
Limited quantity :	LQ22

Description of the goods

**CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.  
(mixture of phosphoric acid and nitric acid < 20%)**

Other applicable information (land transport)

Special provisions: 274 E2 :2

#### Inland waterways transport

UN number: UN3264

ADNR class: 8

Classification code: C1 Hazard label:

8 Packing group: II

Limited quantity : LQ22

Description of the goods CORROSIVE LIQUID, ACIDIC,  
INORGANIC, N.O.S. (mixture of phosphoric acid and nitric acid <  
20%)

Other applicable information (inland waterways transport) Special  
provisions: 274 802

Marine transport UN number: UN3264 IMDG code: 8

Marine pollutant: Hazard label: 8 IMDG packing group:

II EmS: F-A, S-B Limited quantity : 1 L

Description of the goods

CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (mixture of phosphoric acid and nitric acid < 20%) Other applicable information (marine transport) Special provisions: 274, 944

Air transport  
UN/ID number: UN 3264  
ICAO/IATA-DGR: 8  
Hazard label: 8  
ICAO packing group: II  
Limited quantity Passenger: 0.5 L  
IATA-packing instructions -Passenger: 808  
IATA-max. quantity -Passenger: 1 L  
IATA-packing instructions -Cargo: 812  
IATA-max. quantity -Cargo: 30 L

Description of the goods  
CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (mixture of phosphoric acid and nitric acid < 20%) Other applicable information (air transport) E2 : Y808 30 L

## 15. Regulatory information

Labelling Danger symbols: C -Corrosive

C -Corrosive Hazardous component(s) to be indicated on label  
phosphoric acid ... %, orthophosphoric acid ... % nitric acid ... %

### R phrases

34 Causes burns.  
5 phrases  
23 Do not breathe gas/fumes/vapour/spray .  
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
27 Take off immediately all contaminated clothing.  
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  
01102 Keep locked up and out of the reach of children.  
07/09 Keep container tightly closed and in a well-ventilated place.  
36/37/39 Wear suitable protective clothing, gloves and eyeface protection.

National regulatory information Water contaminating class (D) : 1 -slightly water contaminating

## 16. Other information

## **Wurex Surface Cleaner SC41**

Full text of R-phrases referred to under sections 2 and 3

- |    |   |
|----|---|
| 08 | Contact with combustible material may cause fire. |
| 34 | Causes burns.                                     |
| 35 | Causes severe burns.                              |

Further Information We guarantee the compliance of the specified characteristics. These specifications do not represent the assurance of characteristics for certain types of applications. We formally express that the recipient is obliged to inspect the goods before application.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*